

REMARKS

After entry of the above amendments, claims 1-4, 7-9, 12, 14-17, 20-30, 35-41 will be pending in the present application. New claims 37-41 have been added. Claims 5-6, 10-11, 13, 18-19, and 31-34 have been cancelled. Claims 1-2, 7-9, 12, 14-17, 20-22, 25-26, 29-30, and 35-36 have been amended to delete unnecessary language, to explicitly recite what was implicit, to further clarify the invention, to incorporate elements from cancelled claims, and/or to correct informalities. Amendments to the claims are not intended to limit the scope of the invention. Support for the new claims and the claim amendments can be found, for instance, on pages 10-19 of the specification. Applicant reserves the right to pursue any of the cancelled claims and any of the amended claims in their original form in a continuation application. No new matter has been added.

Claim Rejections

Claims 1-4, 12, 14-17, 21-30, and 35-36 have been rejected under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent App. Pub. No. 2002/0161745 to Call (hereinafter "Call"). Claims 7-9 have been rejected under 35 U.S.C. § 103(a) as being unpatentable over Call in view of U.S. Patent App. Pub. No. 2005/0144285 to Hickman (hereinafter "Hickman-1"). Previously pending claims 18-19 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Call in view of U.S. Patent App. Pub. No. 2003/0217140 to Burbeck et al. (hereinafter "Burbeck"). Claim 20 has been rejected under 35 U.S.C. § 103(a) as being unpatentable over Call, in view of Burbeck, and further in view of U.S. Patent App. Pub. No. 2005/0198188 to Hickman (hereinafter "Hickman-2").

Claim 1, as amended, recites “storing metadata relating to an entity of the Web service as a binding description in a document, . . . wherein the entity of the Web service is one of a Universal Description, Discovery, and Integration (UDDI) registry entity, a UDDI tModel entity, and a business contact information entity.” The Office action states:

Call teaches . . . storing metadata relating to an entity of the Web service as a binding description in a format for assisting in an inspection of a site for available services (See page 21, paragraph [0235] “In order to facilitate the discovery and invocation of Web services made available by the manufacturer, a Web Services Inspection Language (WSIL) file is preferable placed in the root directory addressed by each company prefix or product code domain name, and by convention has the standard resource name ‘inspection.wsil’” and page 22, paragraph [0243] “Having identified a potentially useful source of information, the user may access resource description files (such as Web Service Description Language Documents) to obtain the information needed to bind and invoke a particular Web service as seen at 1207”).

(April 7, 2006 Office action, pgs. 2-3).

Call is directed to using “the Internet Domain Name System . . . to act as a product code translator for resolving domain names containing all or part of a universal product code into a cross-referenced Internet addresses from which information and services relating to the products specified by those product codes may be obtained” (pg. 2, para. 0018 of Call). Although Web services are mentioned in Call, Call does not disclose, teach, or suggest “storing metadata relating to an entity of the Web service as a binding description in a document,” as recited in claim 1 (emphasis added). Specifically, none of the discussions in Call regarding “metadata” concerns “metadata relating to an entity of the Web service.”

In addition, claim 1 recites that “the entity of the Web service is one of a Universal Description, Discovery, and Integration (UDDI) registry entity, a UDDI tModel entity, and a

business contact information entity.” As noted in the Office action, Call does not disclose, teach, or suggest, a UDDI registry or a UDDI tModel. The Office action, however, states:

Call teaches the metadata is related to contact information of business parties. (See page 12, paragraph [0122] “For example, retail merchants and distributors may advantageously use the company code portion of a universal product code to access a variety of useful information about the company generally, including contact information and distribution, shipping, and discount policies.”).

(April 7, 2006 Office action, pg. 4).

The passage cited by the Office action, however, only mentions contact information, not metadata relating to the contact information. Further, Call does not disclose, teach, or suggest, and the Office action does not cited any passage of Call as disclosing, teaching, or suggesting, “storing metadata relating to an entity of the Web service as a binding description in a document,” as recited in claim 1 (emphasis added).

Accordingly, based at least on the reasons above, Applicant respectfully submits that claim 1, and the claims that depend therefrom, are not anticipated by Call. Given that claims 21, 25, 29, and 35-36 each recites elements similar to those of claim 1, it is respectfully submitted that those claims, and the claims that depend therefrom, are not anticipated by Call for at least the same reasons.

Hickman-1, Hickman-2, and Burbeck do not cure the deficiencies of Call. Hickman-1 is directed to “finding TV Anytime web services using a server-based file with a well-known name, location and structure” (pg. 1, para. 0001 of Hickman-1). Hickman-2 is directed to “a method for automatically discovering web services from a networked CE (consume electronics) device using UDDI (Universal Description, Discovery and Integration)” (pg. 1, para. 0001 of Hickman-2). Burbeck is directed to “methods, systems, and computer program products for persisting node

reputations in a transient peer-to-peer networking environment where communities have ad hoc participants” (pg. 1, para. 0003 of Burbeck).

Although Hickman-1 and Hickman-2 mentions UDDI, it does not mention metadata relating to UDDI nor storing such metadata as a binding description in a document. With respect to Burbeck, the term “metadata” is not mentioned at all. Therefore, even if Call was combined with Hickman-1, Hickman-2, and/or Burbeck, the combination would neither teach nor suggest “storing metadata relating to an entity of the Web service as a binding description in a document, . . . wherein the entity of the Web service is one of a Universal Description, Discovery, and Integration (UDDI) registry entity, a UDDI tModel entity, and a business contact information entity,” as recited in claim 1.

Accordingly, based at least on the above reasons, Applicant respectfully submits that claim 1, and the claims that depend therefrom, are patentable over Call, in view of Hickman-1, Hickman-2, and Burbeck. Given that claims 21, 25, 29, and 35-36 each recites elements similar to those of claim 1, it is respectfully submitted that those claims, and the claims that depend therefrom, are patentable over Call, in view of Hickman-1, Hickman-2, and Burbeck for at least the same reasons.

New claim 37 further recites “storing metadata relating to another entity of the Web service as another binding description in the document, wherein the other entity of the Web service is one of a Web Service Description Language (WSDL) entity, a UDDI business entity, a UDDI service entity, and a WSIL entity.” None of the references cited disclose, teach, or suggest one document that includes a binding description of metadata relating to one entity of a Web service and another binding description of metadata relating to another entity of the Web service.

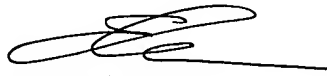
Accordingly, based at least on the additional reasons above, Applicant respectfully submits that claim 37 is further patentable over Call, in view of Hickman-1, Hickman-2, and Burbeck. Given that claims 29, 35-36, and 38-39 each recites elements similar to those of claim 37, it is respectfully submitted that those claims, and the claims that depend therefrom, are further patentable over Call, in view of Hickman-1, Hickman-2, and Burbeck for at least the same reasons.

CONCLUSION

On the basis of the above remarks, reconsideration and allowance of the claims is believed to be warranted and such action is respectfully requested. If the Examiner has any questions or comments, the Examiner is respectfully requested to contact the undersigned at the number listed below.

Respectfully submitted,
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